CurrentWork
98.11.19 (d2 9/3

To Ted Nelson Home Page

Current Work of T. Nelson

As always, my work is about different paradigms, especially different paradigms of computers and electronic media.

TRANSPUBLISHING -- including materials virtually.

Transpublishing demos by students

TRANSCOPYRIGHT

"Transcopyright" is a permission and legal doctrine, providing a principled basis for re-use of material.

MICROPAYMENT FOR THE WEB
OVERLOAD (Comp. and Fortunes Pub)

TRANSPAYMENT: THE HYPERCOIN™ SYSTEM

We hope to make information about this system public soon.

VIRTUAL EDITING AND MICROVERSIONS: OSMIC

"Undo", and destructive backtrack, aren't the only alternatives.

all file (each)

ZIGZAG™: A DIFFERENT COMPUTER UNIVERSE

A SPIRIT COMMUNITY

I am presently showing no current non-computer work on these pages.

LUSTA

TWINKLEPLEX™

Books in progress, [illegible] for which contributions are welcome:

Today's Horrible Computer World

The Smart Person's Introduction to Computers

Computer Religion

Two projects I'm thinking about under discussion (not started)

TRANSWOOF / HYPERWOOF

UNIMBOX

PROJECT XANADU, first of ever

4UM?

98-12-28

TRUB

MAR 9 1999

5

STRUB

SYSTEM OF

AVAILABILITY

AND

DISTR

CMM

Date: Sun, 13 Dec 1998 11:28:28 -0500
From: Marlene Mallicoat <MarleneM@compuserve.com>
Subject: The dangerous opportunity: Netscape, Microcosm, Linux
Sender: Marlene Mallicoat <MarleneM@compuserve.com>
To: Ed Harter <eharter@din.or.jp>
Cc: Ted Nelson <ted@sfc.keio.ac.jp>

Hi, Ed --

Andreessen has invited me to speak at Netscape; they've already given me the followup request.

SO:
OBJECTIVE 1: GET THEM TO BACK TRANSPOINTING WINDOWS
(demonstrated at Dougfest, it's out of the bag)
(Objective 2, getting them to back HyperCoin, I'll feel out while there.)

It seems to me very urgent to negotiate the exclusive with Hugh Davis at Microcosm that we talked about. 'We have a request from a backer about exclusivity...'

My thought is further that you should best conduct the conversation.

Netscape talk will be Week 1 of Jan, so getting you on phone with Davis as soon as possible would be the best, I think.

Will be on line in about 24 more hours, but will prob. try to reach you again by phone in 12.

LvT

CMM

Date: Sun, 13 Dec 1998 11:28:32 -0500
From: Marlene Mallicoat <MarleneM@compuserve.com>
Subject: Test for Cinema of the Mind
Sender: Marlene Mallicoat <MarleneM@compuserve.com>
To: Ed Harter <eharter@din.or.jp>
Cc: Ted Nelson <ted@sfc.keio.ac.jp>

The more details and points you include, the better your grade.

SMALL QUESTIONS:
1. Draw an access map. Suggestions:
a. access map of the paper money and metal money you carry with you.
b. access map of how you usually have breakfast.

2. Create a state-diagram program. Suggestions:
a. Driving a car (starting outside the car and ending outside the car).
OR
b. Procedure for interviewing a job applicant, to be given to the person who will be conducting the interview and may be very stupid. Give exact directions for who should be hired or not hired (can be silly instead of fair; the point is to demonstrate the program structure).

MAIN QUESTION.

Explain virtuality; give examples (such as movies, cars).

Why is virtuality design different from interface design?

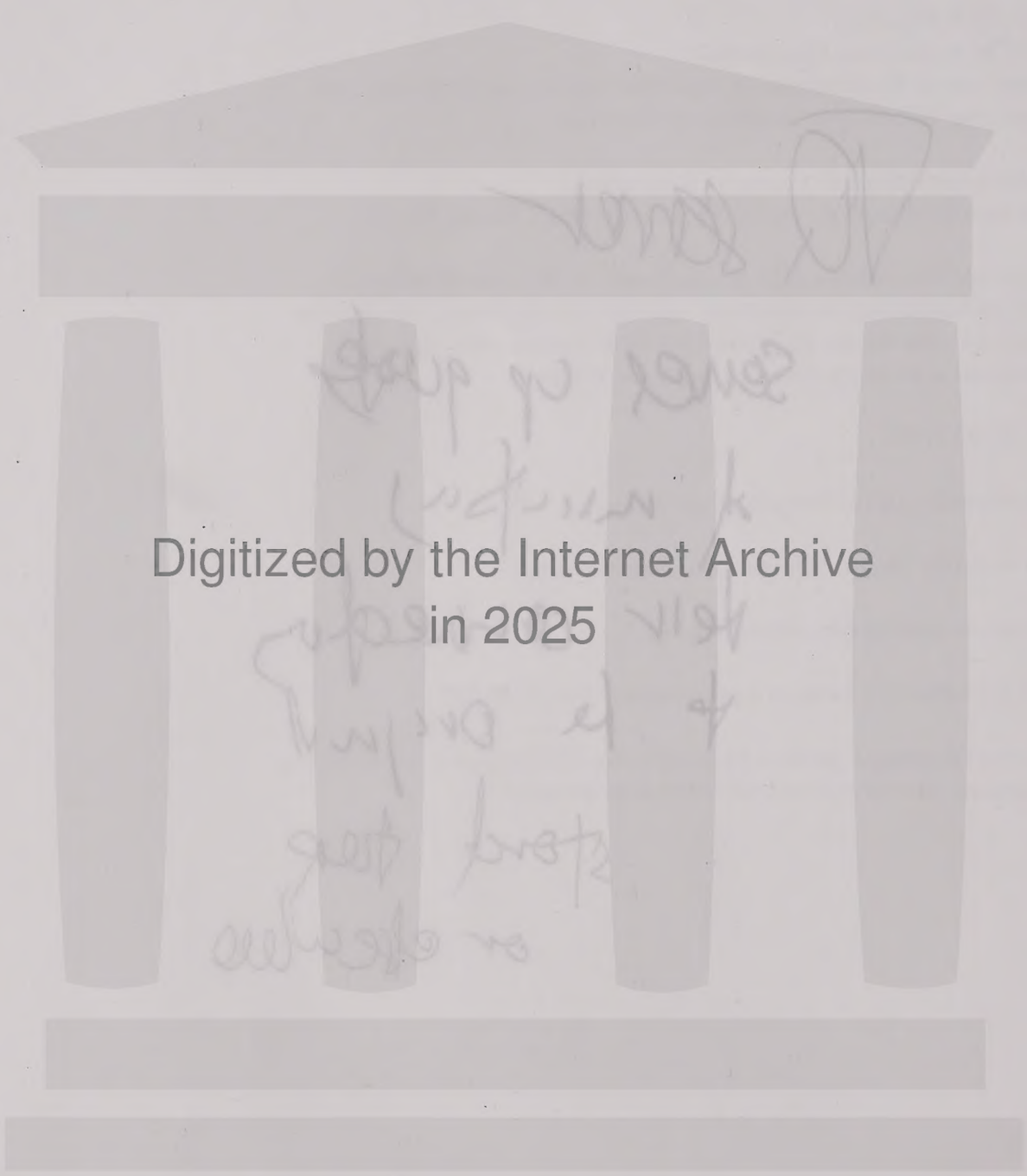
How is movie-making like software design?

What is the difference between a programmer and a director?

If you were designing a game to be played on a 3D imaginary world-- using only a mouse-- how would you introduce it to the user?

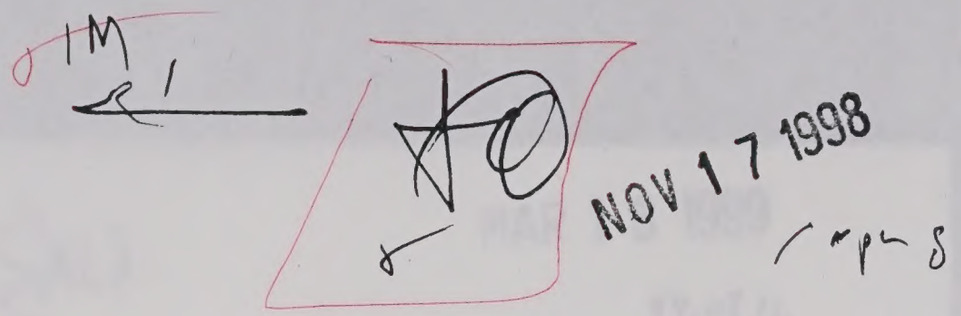
Best,
T

NOV 2 5 1998



Digitized by the Internet Archive
in 2025

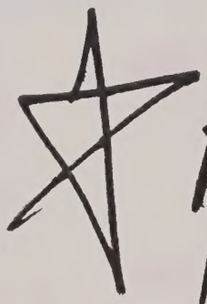
https://archive.org/details/currentworkoftne00tedn


NOV 17 1998

SKU

MAR 1 6 1999

99.03.16



ALL
INFORMATION
STRUCTURES
should be
SET UP
for
SIDEWAYS
CONNECTION.

4.1

USER HEADER SECTION

FIELD

4.2 USER LIST ORDERINGS

time

alpha

NOV 3 0 1999

→ 22 in text

EMBED CCONT

of NOTE & ADDR

NOV 3 0 1999

ZZ

PLUMBING

NOV 3 0 1999

ZX

MIME

& SPECS

NOV 3 0 1999

ZX

browser

NOV 3 0 1999

XJMIC

embedded work gp

" INVOICE

JAN 2 1 2000

Can be by forward

one of my CNB

lists?

DEC 0 1 1999

FORTRAN → ZZ

DEC 0 1 1999

The

IDENTC

Visualizations

FEB 2 2000

SL

The Ford

The Lounge

~~The~~ Class

The Dorm

the Park

the Glade

NOV 2 1 1999

influence

(water

screens

canada)

FEB 2 2000

→ Kelly

the Con Founder

or

STUDENT

AND

FORMAT

JAN 2 1 2000

USA

ROGER

JAN 2 1 2000

MULTIPLE USES

GUIDED

CONNECTION

SPACE

FEB 2 2000

I. Times

Defined by

Organ Donors

Article & Book

JAN 2 3 2000

TCL

our

DISCOVERY

BRAND

THE FAMILIAR

JAN 1 9 2000

FAMILIARS

→ Kelly

OVERVIEW

JAN 2 0 2000

Important to provide best list of x

Please lists the ~~patch~~ ctrl content from of envelope; ctrl follows

Not appropriate for CVS/RCS

Need visual editor
Graphical browser

Diff & ... must like RCS, CVS
q: yow
q: not line-oriented

PRINCIPAL MISUNDS

- equiv of Web

  SOLVED THE MAIN PROBS
  BUT others not recognized

- TCL NOT treat correctly
  (quite Plato)

Understood as inverted branch
of origins & leafs

XML at its simplest is an unorganized
method of denoting parts of a file.
It at its purest topological sort
of list because a will sort of complex
structural relation

INTENDED SIMPLE MODEL

Attempts to sort such structures
individually & to create Web frameworks
shrinks the synergy, depth & creativity
of the approach, which we believe can still
find an important niche in the [illegible] discussion
of computers.

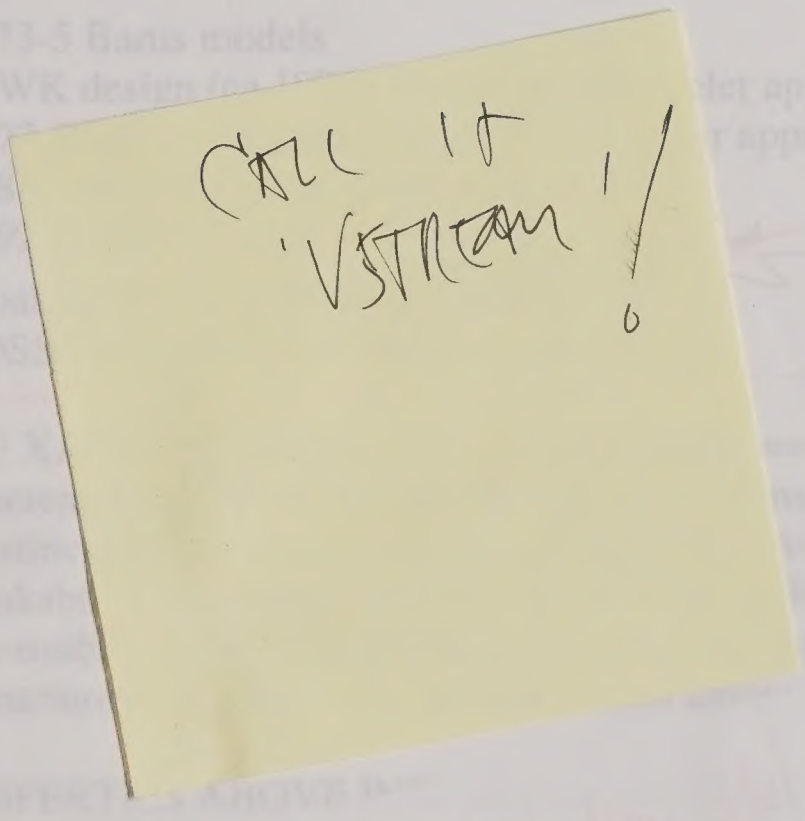
Naive models
of documents, annotations
versions of author tools.

END

For those
- who need detailed annotation and display
- who want detailed controversy tools
- who want to participate in this copyright middle way

there should still be excellent opportunities.

•



- clarification of the composition complex (versioning)
- simplified re-use WITHOUT COPYRIGHT PROBS
- VISIBLE EDITING FUNX, V.MGT

THE XANADU DESIGNS ==========

- THE 1960 CONCEPT (with transclusion and link)
- the 1965 model (Z. lists) [1965 visualization]

- SNP (1968)
- (HES dumbdown)
- the 1970 model (external parallel markup)
- 1972 (Model T enfilade + JOT) [1972 visualization]

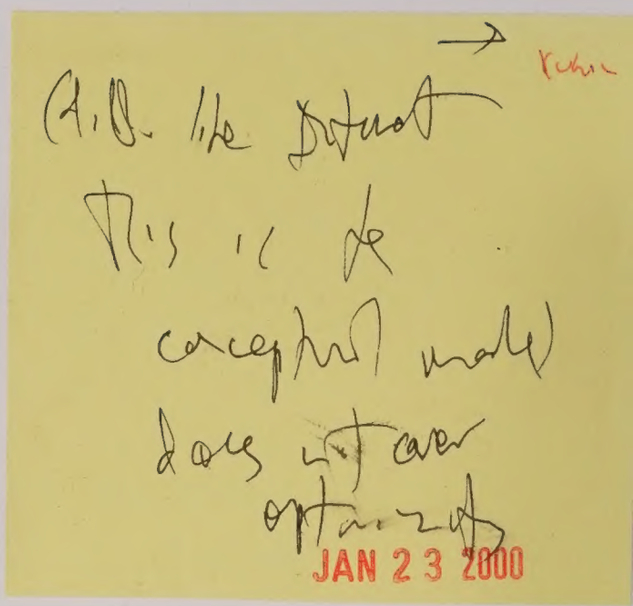
- 1973-5 Barus models
- JBWK design (ca.1975) design (multicoupler approach)
- 1977-8 Superlanguage design (multicoupler approach)
- xu88 (1979-88) (now Udanax Green)
- xu92 (1988-92) (now Udanax Gold)
- Floating World (1999) [1999 visualizations]
- POSS. OF USING INTERNET ARCHIVE

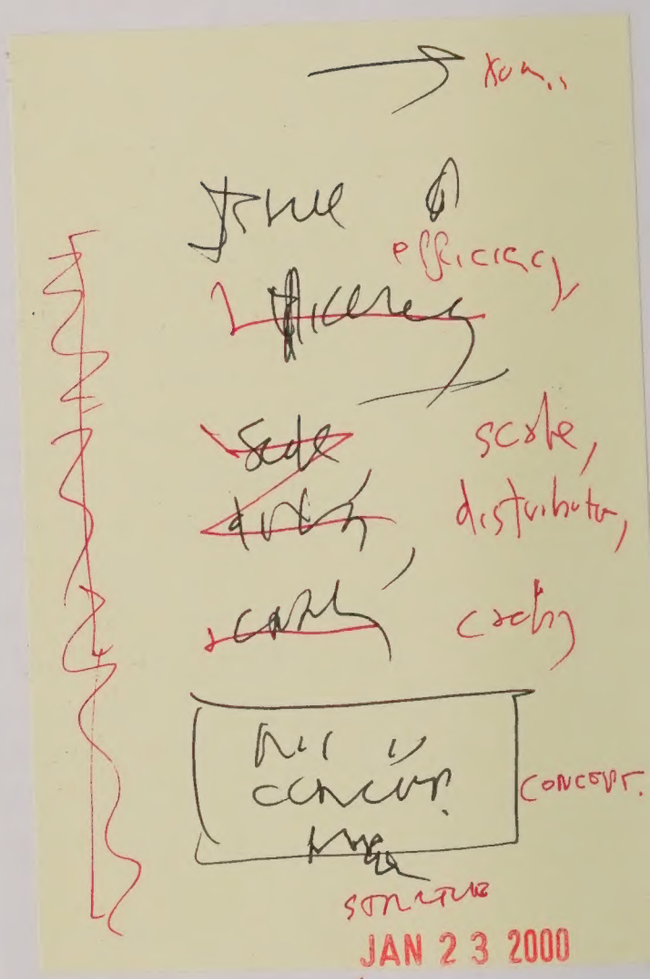
THE XANADU MODEL ==========

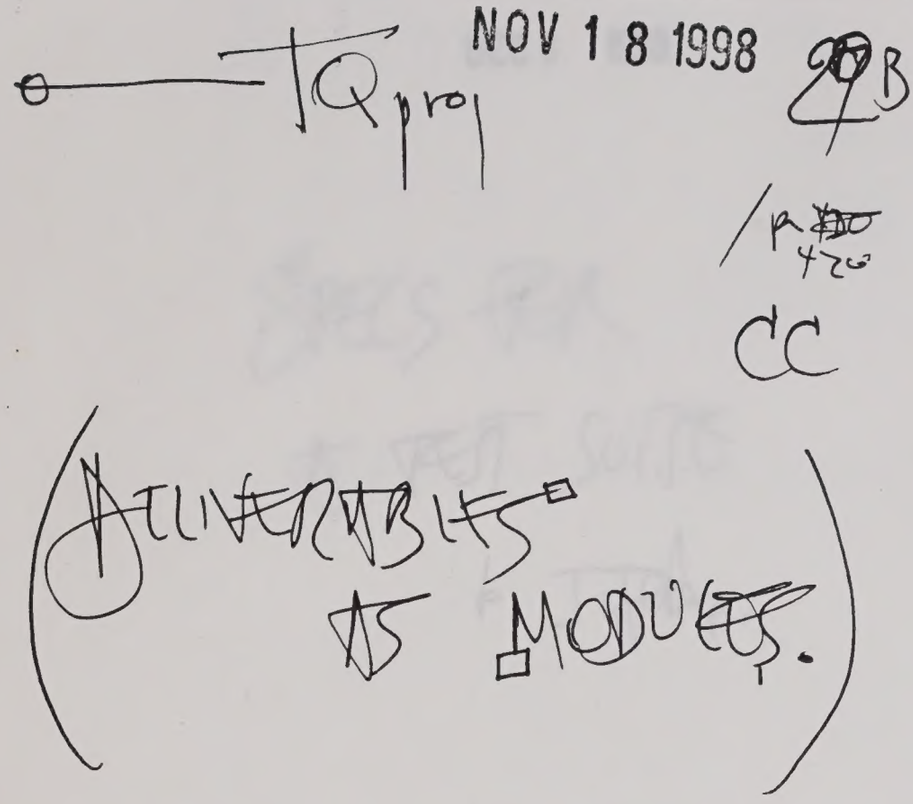
- Content RECOGNIZABLY RE-USABLE (transclusion)
- Distinction betwen content and metastructure (varies bet. versions)
- Linkability of content INDEPENDENT OF VERSION, ACROSS VERSIONS
- Re-usability INDEPENDENT OF VERSION, ACROSS VE
- Structure as distinct from content (varies amon

PROPERTIES ABOVE IN
Document she
Nameplex
Other structu

Funx of Transc


JAN 2 3 2000


JAN 2 3 2000


NOV 1 8 1998
TQproj
CC
DELIVERABLES
AS MODULES.

DEC 8 1998

SPECS FOR
A TEST SUITE
& IMPLEM.

TQ, THIS URGENT

#TQspec DEC 8 1998

/pi 12/5 pi

MUST BE ABLE TO ~~IMPLEMENT~~ IMPLEMENTS
OTHER TQ ~~SPEC~~ STRATEGIES
& FORMATS

TEST SUITE PROGRAM

TQ DESIGN [with Ed]

PRESENTLY WE HAVE:

IGARASHI'S TPUB SERVER ==========
including storage for tpub'd materials
Igarashi's publishing script
ACQUISITION SCRIPT IN GENERAL
Assimilates item to storage
ACQUISITION SCRIPT FOR TEXT
- Places transquote symbols around it
- CREATES PERMISSION STATEMENT
- CREATES MAGIC STRING COMPOSED OF
-- Left transquote mark connected to orig. context if any
-- Pointer to string, IN OUR FORMAT
-- Right transquote mark connected to permission statement
ACQUISITION SCRIPT FOR GRAPHIC
- CREATES PERMISSION STATEMENT
- CREATES MAGIC STRING COMPOSED OF
-- Pointer to graphic
-- Trans(c) symbol connected to permission statement
SERVER SCRIPT FOR TEXT
- Left transquote symbol HOOKED TO ORIG.CONTEXT (if any)
Responds to TEXT PORTION query with
- Text
- Right transquote symbol HOOKED TO PERM.STATEMENT
- Responds to request for permission statement
SERVER SCRIPT FOR GFX
- Responds to IMG
- Responds to request for permission statement

SIMULATES FINAL PAGE INCLUDING "TEXT SRC" TAG
Delivers page as it WOULD look

TQ DESIGN [with Ed]

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SIMULATES FINAL PAGE INCLUDING "TEXT SRC" TAG
Delivers page as it WOULD look

KEN'ICHI'S OSMIC SERVER
Responds to request for individual edit op
- Returns input string if any
- Responds to request for Version, by sending list of sequential ops

OSMIC SERVER: PRIMEDIA SPOOL

OSMIC SERVER: OPCODE SPOOL

KEN'ICHI'S OSMIC CLIENT: MAP SIDE ==========
DISPLAYS VERSION MAP
RE-DISPLAYS MAP ON REQUEST, WITH MORE DETAIL
JUMPS TO ARBITRARY VERSION SELECTED
BUILDS VERSION
- Places cursor at right or left of input string

CONTEMPLATED JOINT SYSTEM ==========
X

SERVER TO GO UNDER APACHE

TRANSQUOTE SERVER (same as Igarashi's)
- deliver text fragment as specified
- assemble page as if it were assembled in your browser

REGISTRATION SYSTEM for new material (like Igarashi's)
- (NEW MATERIAL COULD BE ANYWHERE)
- will store and publish material on request

EDITING CLIENT FOR TRANSPUBLISHED MATERIAL: MULE VERSION
- Stores transpublished material (wherever)
- CREATES MAGIC-STRING
- CREATES PERMISSION STATEMENT
- stores permission statement (WHEREVER)

TQdoc Dt 98.11.16
page 2

KEN'ICHI'S OSMIC SERVER
Responds to request for individual edit op
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TRANSPUBLISHING WITH VERSIONS ========= *not on Ken'ichi's
*PUTS TEXT SCROLL UNDER TRANSCOPYRIGHT
*(Opcodes may or may not be public)
*VERSION LIST under DOCUMENT NAME (had to know it)

Document is a Nominal Grouping of versions, under the author's control
Today's typical system: there may be "previous versions" or only latest
VERSION-LISTING MODULE IS SEPARATE

OSMIC IS A SERVER FOR
cumulative stream, AVAILABLE IN FRAGMENTS
virtual stream

TQS is a server for FRAGMENTS AVAILABLE OF PUBLISHED STUFF

==========

WHAT TO PUT INTO OSMIC THAT'S NOT DONE

1. Links (as pair of lists, type, address)
where would that sit?
TRANSCLUSION (analysis and display)
ABILITY TO COMPOSITE FROM VARIETY OF SOURCES
Ability to look up material from title service
ROBUSTNESS
same thing in more than one place
REDUNDANCY (along with possible title service)

CLIENTS FOR OSMIC ==========
ADD'L NUMERIC PARAMETERS
Go to location in v.version
MAKE NOTE OF EQUIVALENCES?
DEEP COMPOSITING? EDL type format--
Sound track (parallel)
Windowing of video-in-video
* CLIENT SPECS *

Ken'ichi's to be a subset
Grab a version
Grab a portion of a version? FROM BYTE 7000 ...
Storage of versionlists by client

TRANSCLUSION DISPLAY
side-by-side intercomparison

MULE CLIENT (for Keio)

EMULATION CLIENT
side-by-side intercomparison and linkage

OVERVIEW ==========
Storage and local registration of streaming and unitized media
With META-INFORMATION:
OWNERS
LINKS
Equivalences

Fragmentary delivery on request

UGLIEST ISSUE ========== Where put the tags?
Parallel stream?

DISTRIBUTION STRATEGIES ==========
Redundancy OK
WE WANT SOME REGISTRY/TITLE SERVICE

URL EXTENSIONS ? ==========
For Byte Range
For Version
by name
by microversion number

==========

COALESCING THE DESIGN

Ken'ichi's to be a subset
Grab a version
Grab a portion of a version? FROM BYTE 7000 ...
Storage of versionlists by client
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URL EXTENSIONS ? ==========
For Byte Range
For Version
by name
by microversion number

==========

COALESCING THE DESIGN

is very tempting, BUT

==========

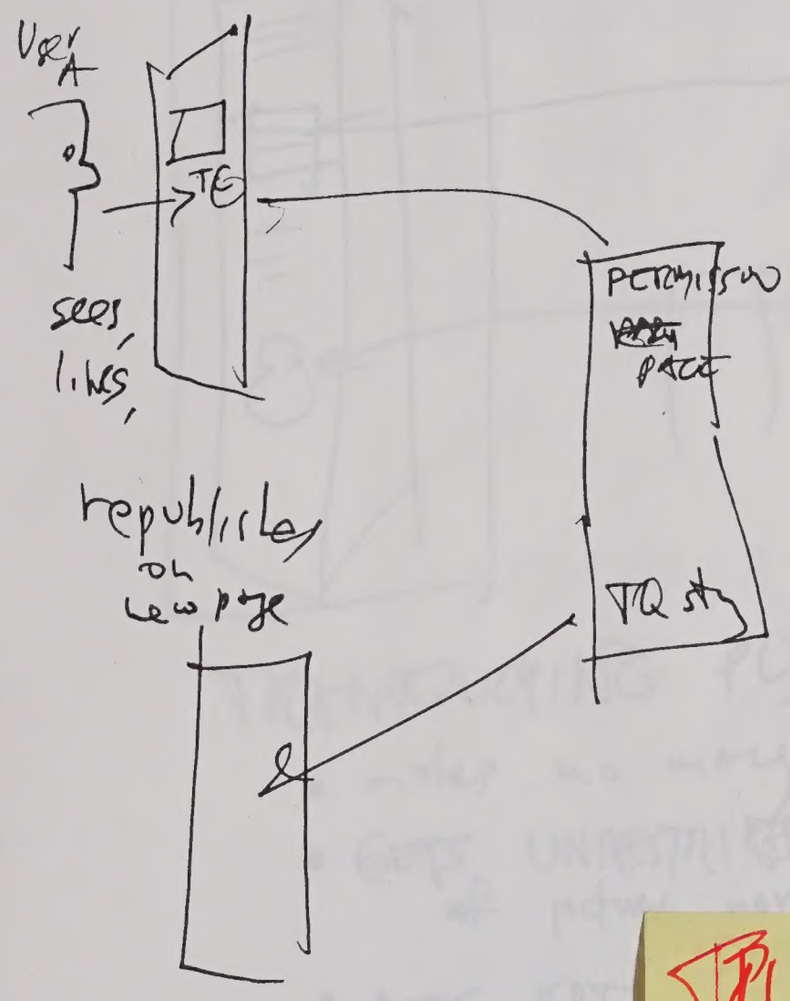
TQ SERVER DELIVERS CONTEXTS !
GIVEN:

location of quote in VV OR in hard-shell document
DELIVER: longer section of VV or HSD around that section

JAN 2 1999 45

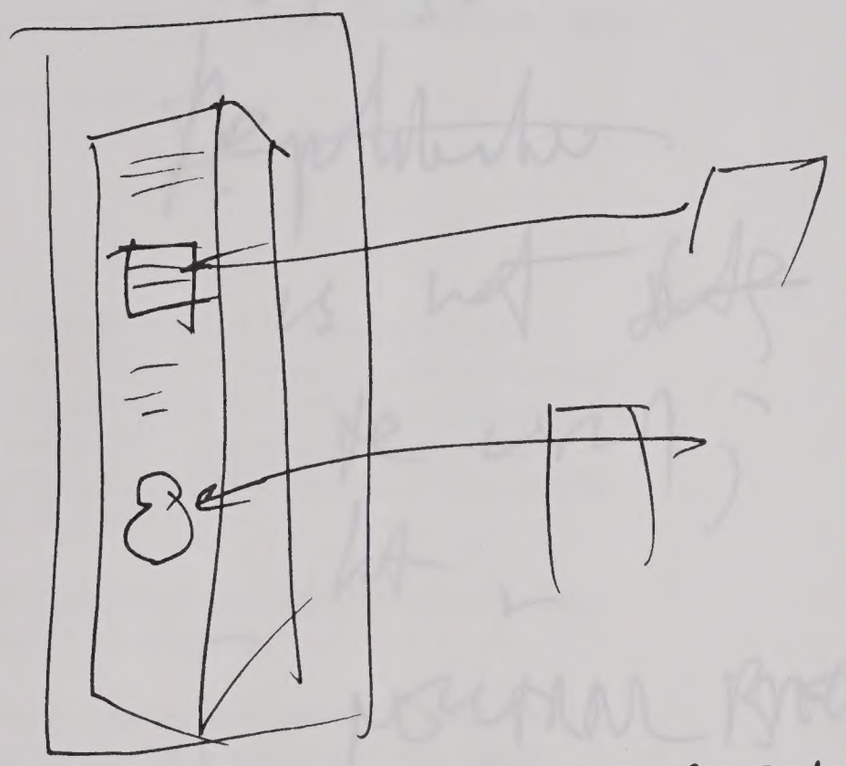
→ TPUB

TRANSCLUSION IS TRANSITIVE



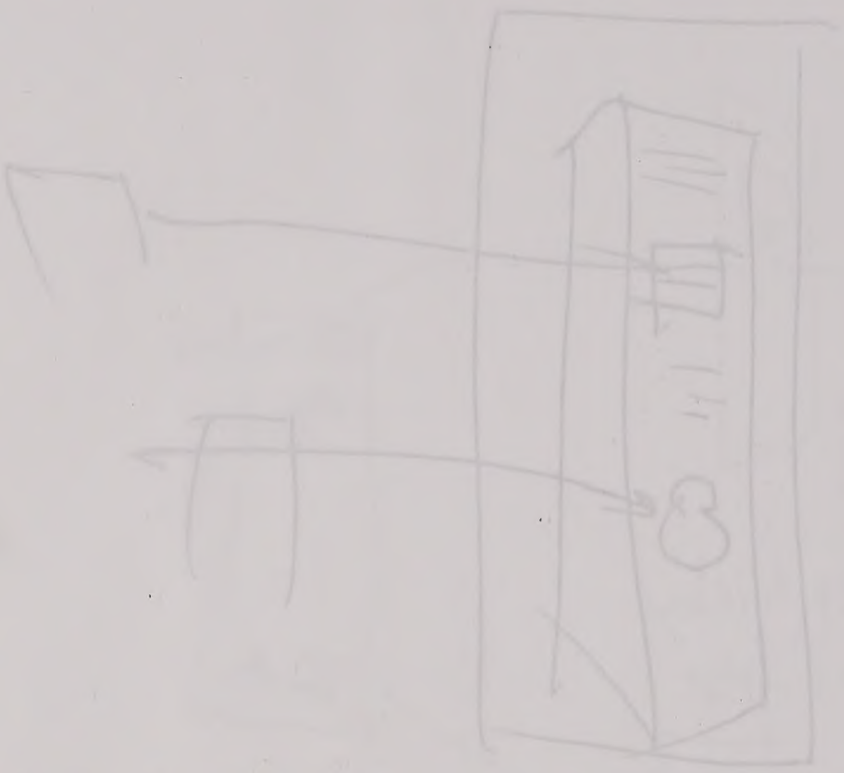
TPUB

JAN 2 1999



TRANSQUOTING PUBLISHER

- makes no money from it
- ~~GETS~~ UNRESTRICTED INCLUSION of pictures, parts of text
- DOES NOT NEGOTIATE



JAN 2 1999

1-2710

Republisher

~~Republisher~~

is not ~~the~~ the

de crypt;

but -

[Nonexclusive Royalty

~~Not~~ proxy

withdrawn -

Non Exclusive

Not

Witness

By Stander?

#PUB

Yoshihide Chubachi, 10:43 PM 12/6/98 , Re: No time for "scenario"; ca

Date: Sun, 06 Dec 1998 22:43:52 +0900
From: Yoshihide Chubachi <yc@crew.sfc.keio.ac.jp>
X-Mailer: Mozilla 4.05 [ja] (WinNT; I)
To: Ted Nelson <ted@xanadu.net>
CC: ted@sfc.keio.ac.jp, marlene@xanadu.net, eharter@din.or.jp,
naemura@sfc.keio.ac.jp, ohiwa@sfc.keio.ac.jp
Subject: Re: No time for "scenario"; can I demo for you?

Hi! Ted,

OK. I'll visit your office tomorrow night. (Monday night, right?)

When will be fine to you?

Ted Nelson wrote:

> Hi Yoshihide--
>
> I am leaving for the USA in about 42 hours and I don't
> have time to create a "scenario" for you, as you've requested--
> but I"ll be in my office tonight and probably tomorrow night,
> so if you'd like a demo I'll be happy to show you what
> exists, which is almost EXACTLY what we need to rebuild
> with standard C libraries.
>
> I hope to have a detailed writeup finished soon, but perhaps
> not before I leave on Tuesday.
>
> I won't be able to demo after tomorrow night, since I must
> prepare for my class and take a cab to catch the Narita
> express immediately after my second class on Tuesday.
>
> All best, Ted
>
> _____
> Theodor Holm Nelson, Visiting Professor of Environmental Information
> Keio University, Shonan Fujisawa Campus, Fujisawa, Japan
> Home Fax from USA: 011-81-466-46-7368 (If in Japan, 0466-46-7368)
> http://www.sfc.keio.ac.jp/~ted/ (Professorial page)
> _____
> Permanent: Project Xanadu, 3020 Bridgeway #295, Sausalito CA 94965
> Tel. 415/ 331-4422, fax 415/332-0136
> http://www.xanadu.net (see also Professorial page, above)
> PERMANENT E-MAIL: ted@xanadu.net
> _____
> Quotation of the day, 98.12.06:
> "Would that we could control all the side effects of our actions!" TN
> 98.12.06

Yoshitide Chubachi, 10:43 PM 12/6/98 , Re: No time for "scenario"; ca

Delivered-To: alias-xanadu-net-ted@xanadu.net
To: ted@xanadu.net, MarleneM@compuserve.com
cc: naemura@sfc.keio.ac.jp, aqua@sfc.keio.ac.jp
Subject: HyperTransaction
Date: Thu, 17 Dec 1998 14:39:20 +0900
From: Tomoko Tanizaki <aqua@sfc.keio.ac.jp>

Dear Ted & Marlene,

Here is the brief summary of first draft of Project Specification which Prof.Naemura had handed in to JIPDEC last Friday.
I have only extracted the part on spcification of its object modules.

Have a Merry Christmas & A Happy New Year!

****

Basic Design

This project is aimed to develop a software including transcopyright and transaction function which handles a digital contents on the network with hypertransaction system, and ratify its use in educational and researching environment.
In designing the software, we divide the function into 4 items, and first 2 items which are the core funciton of this system, will be developed within this project.

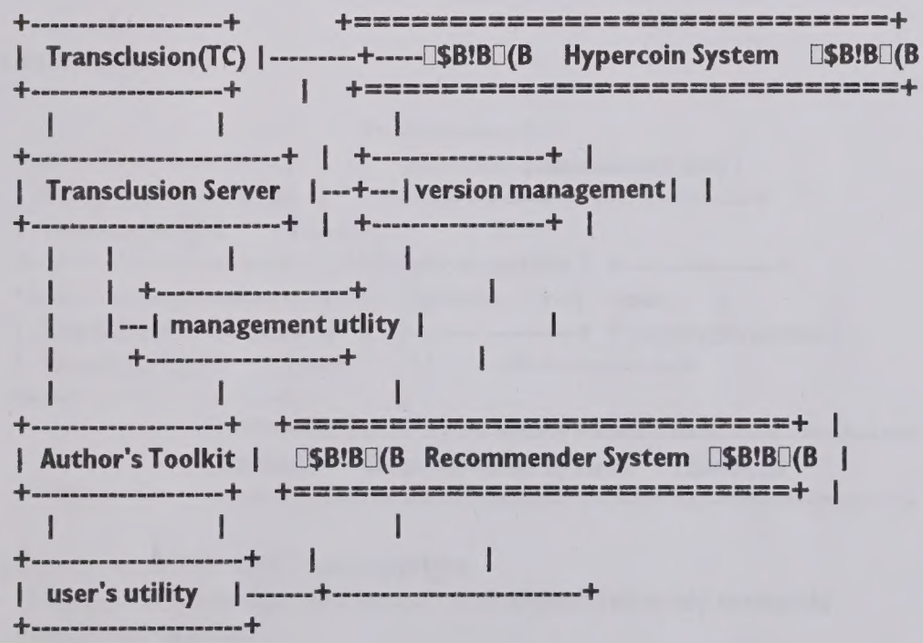
(1)the basic software containing transclusion function
(2)version management of digital information
(3)recommending and rating digital information(Recommender System)
(4)technical implemetation of transacting digital information(Hypercoin System)

As for the integrated test, we will experiment the first item from 2 below.

(1)distribution system of digital copyright works with transcopyright system
(2)information recommending service for the network users

Development

The correlation of each program module is shown below:



Delivered-To: alex.kazmin-mor-ind@kazmin.mor
To: ind@kazmin.mor, Marion@primpserve.com
cc: marino@rfc.keio.ac.jp, aqua@rfc.keio.ac.jp
Subject: Hyper Transaction
Date: Thu, 17 Dec 1998 18:39:23 +0900
From: Tomoko Yamazaki <aqua@rfc.keio.ac.jp>

Dear Ted & Marion,

Here is the brief summary of first draft of Hyper Specification which
Prof.Maemura and I made in to HPDEC Ops Friday
I have only extracted the part on specification of its object modules.

Have a Merry Christmas & A Happy New Year!

Basic Design

This project is aimed to develop a software including transcopyright
and transaction function which handles a digital contents on the network
with hyper transaction system, and really its use in education and
researching environment.
In designing the software, we divide the function into 4 layers, and
three 3 layers which are the core function of this system, will be developed
within this project.

(1)the basic software supporting transaction function
(2)version management of digital information
(3)recommending and rating digital information(recommender system)
(4)technical implementation of translating digital information(copyright system)

As for the integrated tool, we will experiment the first layer from 2 below.

(1)distribution system of digital copyright works with transcopyright system
(2)information recommending service for the network users

Development

The correlation of each program module is as as below:

(a)Transclusion Server
This function manages the digital publishing with transclusion system.
(b)Transclusion
This function manages to transclude the text files aquired to the Web server.
(c)Author's Toolkit
This function manages to assist the users to create TC file.
(d)Version management function
This function manages to manage digital contents.
(e)User's Utitlity
This function help users to manage copyright information, version information, etc..
(f)Management Utility
This utility inspects TC server's functions(access & update history, managing condition, etc.).
(g)Hypercoin System(not included in this project)
This function manages transaction in digital contents.
(h)Recommender System(not included in this project)
This function manages recommending and rating digital contents.

Developing Environment

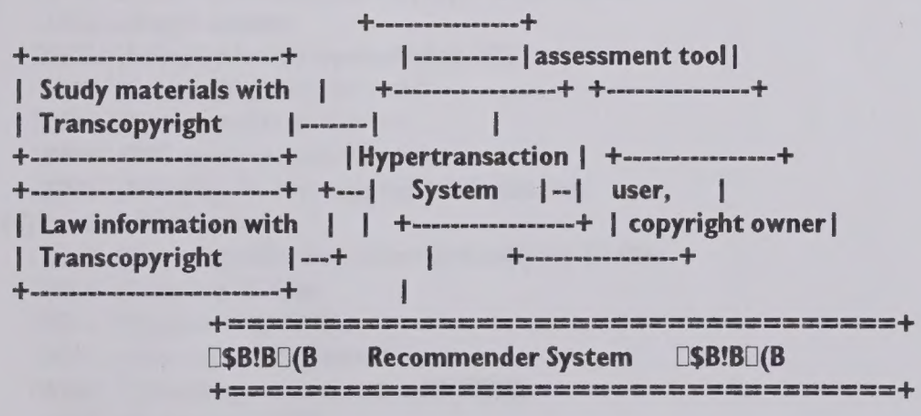
We will develop the software with PC & Workstation noted below:

<PC>
□$B!&□(BHardware : IBM PC/AT compatible
□$B!&□(BOS : Windows
□$B!&□(BNetwork : connected to the Internet(TCP/IP)
□$B!&□(BDBMS : Microsoft SQL Server

<Workstation>
□$B!&□(BHardware : Sun Sparc Station series/AT compatible
□$B!&□(BOS : UNIX(Sun OS 5.6 or more)
□$B!&□(BNetwork : connected to the Internet(TCP/IP)

Developing language : Java, C, C++, Visual Basic
DBMS accesse Tool : MS-ACCESS

Combination Test



(a)Study materials with Transcopyright
Testing the Transcopyright system with digitalized study materials used in Universities.

(b)Law information with Transcopyright
Testing the Transcopyright system with digitalized law information.
(c)Assessment Tool
(d)User, Copyright owner
(e)Hypertransaction system
(f)Recommender system

Also, the test will be done under environment written below:

□$B!&□(BHardware : IBM PC/AT compatible
□$B!&□(BOS : Windows
□$B!&□(BNetwork : connected to the Internet(TCP/IP)

Procedure

(1)working drawing
(2)creating contents and tools
(3)secure participating users for the test
(4)setting environment
(5)operating the test
(6)assessing and analysing the result

Functional Spcification

(a)Transclusion(TC) Server
□$B!&□(Breturning certain contents when required from the browser with trans clusion system
□$B!&□(Banalyze the URL with transclusion system, returning in HTML file
□$B!&□(Bcopyright management
□$B!&□(Bretaining copyright information
□$B!&□(Bcreating copyright information in HTML
□$B!&□(Bdisplaying the server's condition
(b)Transclusion
□$B!&□(BHTTP access control
□$B!&□(Bextracting transclusion part from HTML
□$B!&□(Bprocessing TC tag
(c)Author's Toolkit
□$B!&□(Beditor for TC files
□$B!&□(Bdisplay for the original contents
□$B!&□(Bdisplay for the original URL
□$B!&□(Bcreating transcopyright file
□$B!&□(Bdisplay for writing copyright information
□$B!&□(Blogin display
□$B!&□(Bdisplay for the transcluded URL
□$B!&□(Bmanaging the password
□$B!&□(Bpassword information
□$B!&□(BTC server access function
□$B!&□(Bdisplay for the copyright information
(d)Version Management
□$B!&□(Bstoring difference information(?) for TC files
□$B!&□(Bstoring TC files
□$B!&□(Bregistering TC files
□$B!&□(Bversion management
□$B!&□(Bcreating version map with HTML
□$B!&□(Baccess to DBMS
(e)User's Utility
□$B!&□(Baccess function for copyright information
□$B!&□(Baccess function for version information

(8)Law information with Transcopyright
Testing the Transcopyright system with digitalized law information
(c)Assessment Tool
(d)User, Copyright owner
(e)Hypertranscription system
(f)Recommender system

Also, the user will be given similar environment written below:

SBR3 (SGI Indy : IRIX operating system
SBR4 (IBM PC/AT compatible : Windows
SBR5 (Browser : connected to the Internet(TCP/IP)

Procedure

(1)working drawing
(2)creating cartoons and tools
(3)secure participating users for the test
(4)setting environment
(5)operating the test
(6)assessing and analysing the result

Functional Specification

(a)Translation(TC) Server
SBR6 (Returning certain contents when required from the browser with trans
cription system
SBR6 (Analyze the URL with transcription system, returning in HTML file
SBR6 (Copyright management
SBR6 (Preceding copyright information
SBR6 (Generating copyright information in HTML
SBR6 (Updating the server's condition
(b)Translation
SBR6 (HTTP access control
SBR6 (Processing translation part from HTML
SBR6 (Processing TC tag
(c)Author's Toolkit
SBR6 (Builder for TC files
SBR6 (Applet for the original contents
SBR6 (Applet for the original URL
SBR6 (Processing transcopyright file
SBR6 (Inquiry for writing copyright information
SBR6 (Login display
SBR6 (Display for the transcoded URL
SBR6 (Remarking the password
SBR6 (Password information
SBR6 (TC server access function
SBR6 (Display for the copyright information
(d)Version Management
SBR6 (Restoring difference information() for TC files
SBR6 (Inserting TC files
SBR6 (Organizing TC files
SBR6 (Version management
SBR6 (Inserting version map with HTML
SBR6 (Gateway to DBMS
(e)User's Utility
SBR6 (Inserting function for copyright information
SBR6 (Access function for version information

(f)Management Utility
□$B!&□(Baccess function for copyright information
□$B!&□(Baccess function for version information

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□$B!z!z!z!z!z

Naemura

To: Marlene Mallicoat <MarleneM@compuserve.com>
cc: Kenji Naemura <naemura@sfc.keio.ac.jp>, Ted Nelson <ted@sfc.keio.ac.jp>
Subject: Re: First edition of Literary Machines
Date: Sat, 02 Jan 1999 16:18:51 +0900
From: Kenji Naemura <naemura@sfc.keio.ac.jp>

Hi, Marlene,

Hope you are enjoying the Holidays.

JIPDEC paperworking is going .. over the year end.
I understand that the contract is to be signed early January.
Hopefully I will be able to let you know of details of the contract
in the week of January 11th.

BTW, have you sent me answers to Mr. Sugiyama's questions?
Hope I have not missed your mail due to Xmas Mail congestion
or something else..

Best regards,
Kenji